

I CLAIM:

1. An eight bit code read from left to right on at least eight sensors comprising:

a first four bit code combined with a second four bit code to produce data.

2. An eight bit code read from left to right on at least eight sensors to produce data, in accordance with claim 1, wherein:

- a) a left first bit of said eight bit code has the numeric value of one, and
- b) a second bit of said eight bit code has the numeric value of two, and
- c) a third bit of said eight bit code has the numeric value of four, and
- d) a fourth bit of said eight bit code has the numeric value of eight, and
- e) a fifth bit of said eight bit code has the numeric value of sixteen, and
- f) a sixth bit of said eight bit code has the numeric value of thirty-two, and
- g) a seventh bit of said eight bit code has the numeric value of sixty-four, and

h) a right eighth bit of said eight bit code has the numeric value of one hundred and twenty-eight.

3. A method of producing data using an eight bit code read from left to right on at least eight sensors  
5 comprising the step of:

activating at least one sensor to enter an eight sensor data entry mode.

4. A method of producing data using an eight bit code read from left to right on at least eight sensors, in  
10 accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors to enter an eight sensor data entry mode.

5. A method of producing data using an eight bit code read from left to right on at least eight sensors, in  
15 accordance with claim 3, comprising the step of:

activating all said eight sensors to enter an eight sensor data entry mode.

6. A method of producing data using an eight bit code read from left to right on at least eight sensors, in  
20 accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors to produce a data character.

7. A method of producing data using an eight bit code read from left to right on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors to produce a function.

8. A method of producing data using an eight bit code read from left to right on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors to produce a data character string.

9. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors followed by the activating of at least one said sensor of said eight sensors to produce a data character.

10. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of said eight sensors followed by the activating of at least one said sensor of said eight sensors to produce a data character string.

11. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with non-activating a second set of four sensors to produce a vowel.

12. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with the activating of at least one said sensor of a second set of four sensors to produce a vowel.

13. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with the activating of at least one said sensor of a second set of four sensors to produce a consonant.

14. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

non-activating a first set of four sensors combined with the activating of at least one said sensor of a second set of four sensors to produce a space.

15. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

non-activating a first set of four sensors combined with the activating of at least one said sensor of a second set of four sensors to produce a punctuation mark.

16. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with the activating of at least one said sensor of a second set of four sensors to produce a symbol.

17. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with the activating of all said sensors of a second set of four sensors to produce a number.

18. A method of using a first four bit code combined with a second four bit code on at least eight sensors, in accordance with claim 3, comprising the step of:

activating at least one said sensor of a first set of four sensors combined with the activating of all but one sensor of a second set of four sensors to produce a function.

19. An apparatus for entering an eight bit code read from left to right on at least eight sensors wherein:

- a) a first left bit has the numeric value of one and is a left digit sensor, and
- b) a second bit has the numeric value of two and is a left digit sensor, and
- c) a third bit has the numeric value of four and is a left digit sensor, and
- d) a fourth bit has the numeric value of eight and is a left digit sensor, and
- e) a fifth bit has the numeric value of sixteen and is a right digit sensor, and
- f) a sixth bit has the numeric value of thirty-two and is a right digit sensor, and
- g) a seventh bit has the numeric value of sixty-four and is a right digit sensor, and
- h) a eighth right bit has the numeric value of one hundred and twenty-eight and is a right digit sensor.

20. A method of entering an eight bit code read from left to right on at least eight sensors comprising the step of:

- a) activating one said left digit sensor moves an object in a first direction, and
- b) activating one said right digit sensor moves said object in a second opposite direction.

21. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

- a) activating one said left digit sensor moves an object to the left, and
- b) activating one said right digit sensor moves said object to the right.

22. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

- a) activating one said left digit sensor rotates an object to the left, and
- b) activating one said right digit sensor rotates said object to the right.

23. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

- a) activating one said left digit sensor moves an object backward, and
- b) activating one said right digit sensor moves said object forward.

24. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

- a) activating one said left digit sensor moves an object down, and
- b) activating one said right digit sensor moves said object up.

25. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

activating one said left digit sensor and one said right digit sensor simultaneously moves an object forward.



26. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

activating one said left digit sensor and one said right digit sensor simultaneously followed by activating one said left digit sensor and one said right digit sensor simultaneously moves an object backward.

27. An apparatus for entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 19, wherein:

- a) a first left bit has the numeric value of one and is a left digit sensor, and
- b) a second bit has the numeric value of two and is a left digit sensor, and
- c) a third bit has the numeric value of four and is a left digit sensor, and
- d) a fourth bit has the numeric value of eight and is a left thumb sensor, and
- e) a fifth bit has the numeric value of sixteen and is a right thumb sensor, and
- f) a sixth bit has the numeric value of thirty-two and is a right digit sensor, and
- g) a seventh bit has the numeric value of sixty-four and is

a right digit sensor, and

- h) a eighth right bit has the numeric value of one hundred and twenty-eight and is a right digit sensor.

28. A method of entering an eight bit code read from  
5 left to right on at least eight sensors, in accordance with  
claim 20, comprising the step of:

- a) activating a left thumb sensor moves the cursor to the left, and
- b) activating a right thumb sensor moves said cursor to the right.

29. A method of entering an eight bit code read from  
left to right on at least eight sensors, in accordance with  
claim 20, comprising the step of:

- a) activating a left thumb sensor deletes data to the left of the cursor, and
- b) activating a right thumb sensor deletes data to the right of said cursor.

30. A method of entering an eight bit code read from  
left to right on at least eight sensors, in accordance with  
20 claim 20, comprising the step of:

- a) activating a left thumb sensor reverses the last change, and
- b) activating a right thumb sensor reverses the last undo.

31. A method of entering an eight bit code read from left to right on at least eight sensors, in accordance with claim 20, comprising the step of:

- a) activating a left thumb sensor and a right thumb sensor simultaneously exits said first data entry mode and enters a cursor movement mode, and
- b) activating said left thumb sensor moves the cursor to the left and activating said right thumb sensor moves said cursor to the right; and
- c) activating said left thumb sensor and said right thumb sensor simultaneously exits said cursor movement mode and enters a delete mode, and
- d) activating said left thumb sensor deletes data to the left of said cursor and activating said right thumb sensor deletes data to the right of said cursor, and
- e) activating said left thumb sensor and said right thumb sensor simultaneously exits said delete mode and re-enters said first data entry mode.

32. A method of producing data using at least eight sensors comprising the step of:

shifting into a second mode by entering at least one data character.

5 33. A method of producing data using at least eight sensors, in accordance with claim 32, comprising the step of:

shifting into a second mode by entering the language code data character string.

10 34. A method of producing data using at least eight sensors, in accordance with claim 32, comprising the step of:

shifting into a second mode by entering the country code data character string.

15 35. A method of producing data using at least eight sensors, in accordance with claim 32, comprising the step of:

shifting into a second mode by entering the country's area code data character string.